# Aviation Tews Meraw-Hill Publishing Company, INC. SEPTEMBER 25 1944



Heads Aircraft Manufacturers: Scott Russell, lawyer, legislative consultant and manufacturing executive, just approved by the Board of Governors of the Aeronautical Chamber of Commerce as the Chamber's general manager o head up the aircraft industry's revtalitated national trade association. He served in the Army Air Forces in the last war, has been a Federal attorney and in the textile and lumber business. He is 49 and a native of Atlanta.

## Latin-American Route Cases Heard

Five major shiplines represented, supported by Maritime Commission; right to engage in air transport argued....Page 7

## Design Changes Revise Schedules

Cancellation of 1947 Lightnings ordered; Douglas cuts C-47 total by 1,286; P-40's, PT-13's, P-63's affected........Page 29

## Analysis Favors Airline Stocks

## 'Copter Development Speeds Ahead At least 12 reported to have

## Ask Rate, Tariff Method Changes

## Resume Engine Fire Research

New \$100,000 CAA test laboratory to be started immediately in Indianapolis for continuation of study halted by war...Page 40

## Study "Aircruiser" as Feeder Plane

Possible relaxation of rule requiring multimotored craft, turns attention to Bellanca's one-motored transport. Page 38

## Packaged Port Units Predicted



THE AVIATION NEWS

## Washington Observer

COASTAL TASK FORCES-Passage by the will be many voices apprecially, and comp-Herne of legislatian permitting engallment of would give this country a prepared and trained censt natrol air service in the event of another war or other emergency. Civil Air Patrol did a marvalogs tob. but settler up of buses troubd have been immensuably easier if some such legislation as this had excited prior to the war. Cant Guard Auxiliary members became part of the arrard survices when called to thaty, not conjument, hospital cure, death and labury benefits that the CAP did not not. Air succlinery could be argunized whenever cases mared onetrols navigable waters-lakes and rivers as well as accuse—would be an operating unit that could serve anywhere, inculcated with disciation trained for emergencies, assessed for

nitrally, to the industry, than will be the overplus of airfeaces. Multary earlies are built on a Tighter weight-names scale but with resustable treatment they are perfectly satisfactory for orramercial operations. Furthermore, absolescence in newer plants is reach dever then it is in airCourses. Military envises could be continues on the needest credital propert share Allsons and Relis-Rayces, as well as the radial encines, are being equilibring for commercial use. Airelane conducers would be clad to offer for sale economical with a law price tag, disto harryin-country engines, but most of them will forego that advantage and advecate scrapsing engines as well as planes, if they are atsured of an effective disposal program that will

LOCKHEED SCHEDULE REVISION - 14 new production effort which includes a new Transport and Lockbeed's entry in the post-way correspond contest and the Navy's PV cates)

CONVERSION LUCK? -- Some prospective are larky at that In their opinion, hymen's corwers to questionneces as to what kind of There are pleaty at other chances for wrong in anticipation of a German collapse, are naking

shout it, the prespective aircraft engine surplus also on the margower minimum rate-50 cents

Manlongs of Eighth Army Air Force on Mission over Europe



TRANSMITTING TUXES

SPECIAL PURPOSE TOMOS

INCANDESCENT LAMPS

AVIATION NEWS . September 25, 1844



## BEACON

## to New Industry in the West

This new industrial development of the bend West detends for transportation, which means at management. Western Air Lines, owned and opened by Westerness show in laceptons in 1298, in abort to an reportibilities in the "West's own influen," so possible the finess service as fast as war conditions permit.



### AVIATION NEWS

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AVIATION NEWS . September 25, 1964

## Washington Observer

or a dollar? Cunziamon is that those released late from war work may have the advantage of seeing what is happening to the early bries

ARCRAFT ADVANTAGE—If and when bold sireraft monafacturers can even appressit the law ner-round cost of automobile productice, they will have the strong advantage of high weight. Broadly generalizing the assessehile weight 2,000 paunds or more, while the fature 4-passenger apphabity will scale as low as 1,500, possibly 1,000 pounds. The ratio of car is plane, on that havis, would be two or there to one. Again reachly speaking, seem prowar along were retailed at one daffer are pound, while cars were delivered at around 25 cents. Airplane producers, contending with stresses and this teleroners, will meet probleny all the way down the per-pound fabricotion cost scale Hard-to-grt volume production will belo more than enviling else.

THE GLD WORKHOMEN—boose spokeness of the Byf transpart industry before the SP transpart industry before the SP transpart industry before the SP transpare to be deed become note of the spoken between the sent and the Bull SP transpare to be odded becomes note and the SP transpare to be offer the course of the SP transparent to the SP transparent to the SP transparent to the SP transparent to the series provided the series provided the SP transparent to the SP

is increasing among magnifecturers that revenion of each other's house grounds by the auto and sterredt industries will be en a reach confider arale then was talked of some time age. Some nate room too intrigued by the possibility that a detrayed of the car market, but the present reconstitute demand for same in bremintale. Detect endeave branch they to bother with the fire tolerances and high stresses of sirplanes Aircraft mon, on the other hand, are wary of the entreached automative his three, of their sublic fellowing, and of the average man's obsness toward approximations in care which the nirraen would produce. Nevertheless, each side will watch the other, and they will watch purticalarly the outcome of Greybound's order for Cornelidated aircraft lanes with air-coaled sirplane-type enrises A Concelldated executivy rold AVIATION NEWS that the common it certain & can build a samerice has

CONTRACT TERMINATION—Paradoximi sa E may seen, the Office of Contract Settlement braided by Nebert H. Hirekly settler in some rises by in the plan of the Office is day strettly on the policy level and here out of the opernation and an other is a necessary and insome betions of the stretch of the stretch of the opersistence of the stretch of the stretch of the stability of the stretch of the stretch of the stability of the stretch of the stretch of the stable of the stretch of the stretch of the without of the stretch of the stretch of the without of the stretch of the stretch of the will for stretch possessity. The Army, incocipable, in epoche about the stretch of the st

INTERNATIONAL CONFERENCE—It is surferring of underlied circles as Weshington that proposals by the Assertion delegation of the proposals by the Assertion delegation of the proposals of the Conference of the Conference of the Miller of the Conference of the Conference of the Miller of the Conference of the Conference of the Miller of the Conference of the Conference of the results are not the conference of the Conference of the Large of the Conference of the Conference of the Conference of the CONTEXT EDICATION—State for the Conference of the Co

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MANYERVANCE OF AIR POWER—Here is the trend of thirdner in Westherdton on molinite tenance of air powers, program not yet fully accepted, however, as some quarters. We made have and utilize on their full value restrict fully accepted, however, as some quarters. We made have and utilize on their full value restrict fully accepted to the programme of the majority of the programme of the majority capable of gentl exposition, we must have any best under our content, we must be able to exploit fully in the exposition of our commercial materials was sensit fully and the programme of our commercial materials was sensit fully and the programme of the sensition of the se

## A LITTLE WOODEN BOX that's speeding aircraft progress



--- Dy JOHN B. KENNEDY Farmous neces analyst tells here "Suggestions for Victory" from Bell Aircraft carpiovers have saved thousands of dollars of the taxuaver's money and a comparable number of munbours

TN corry Bell Amerali plant you'll benes Bell Accept employees, who work, but year deposited 4200 teless so improve plant operations and Bell Ascraft products. Our third of these, after being cleared dayingh Bell Acremil's Patent Office, busy been not to ons. Other suggestions are helping to speed Victory by saving thornwels of

"Take the case of a expervisor of Index Plant Traffic to one Bell Acrerali plant. He clas for simplifying the which workers receive material and parts, eleminated 54,561 telephone cally per week-mealing a yearly auing of \$39,845, to my nothing of time. balls. This sireal actifies the worker

"This age system is one of many be other Allied Ameraft places. "Hell Aircroft workers are makes: every effort to speed the day of Victory. When that true comes, you can trust this same manufacturing skill and inamericy to being you many things or make for a better world at pener





NIMEASA FRONTISS SIVISION Avonder (P.39) and Ennestes (P63)-Fighters Asserbat (P.39) and Empathia (P.65)—Fights
Asserbat — America's Four Jet Propolled Plana
The Bell Heliophies Surlington, FL

DEGROLA BYNSHOW

\$-29 Eveny Substitutes



## 16 Applicants Begin Presentation Of Viral Latin America Route Cases

Five powerful steamship lines are well represented, supported by Admiral Land and Maritime Commission: old arguments on right of surface carriers to engage in air transportation and regulated competition vs. chosen instrument to be threshed out

### By DANIEL & WHNTZ III

come began to shape up last week largest and meet complex o CAT's present series of interes-

1004 Opration Reserved. The egy and recessity on which the Beard is to base its decision. Barface interests are present in full force, with five of the most powerful U. 8 steamship lines. long-established in the Later-American trade, as applicants These are United Fruit Co., Moore-McCormack Lines, Water-

West Indies Steamshap Co. (AWGI) -Supporting the shipping comparces is the Mantiger Correntsssee, whose chairman, Bear Admiral Emory S Land, is a viger-

TESTIFIES IN LATIN AMERICAN CASE Charles A. Rhemstrom, traffic nave-president of American Airlines

explains exhibits prepared in support of his company's application to

fact that CAB is proceding with basis of the regulated competition nautics Act as it now stands h Two Imposedrables All an partment clarification seems inperelive. Although both CAB > the Department of State have An accument early in the case, rande it clear that in most cases recat of Justice and for the Waterbrough intergovernmental negoturpons, no definite information has been supplied as to whether a successful applicant will have the receiving landing privileges for

has meant only Pan American

Airways and its affliates. The do-

meeters take courage from the

tion of surface carriers in air transportation was the opening skirmoh in the struggle which is operating his route. Likewise unerian is the right to carry posseegers between points within vinced that their destroy to incountries where reutes might be Deporte sirine applicants include American Atriana, Brand Airways, Eastern Air Loses, Chi-



ess apponent of separation among Jacob, secretary, Rolph S. Damon, vice-prevident, and Stanley G. King. the forms of transportation urantient of American Airbres de Mezico, non-operating subridary cago and Southern Air Lines,

New Operators File-Several new aperators filed for routes in Namonales, P. R., and Andrew J.

After a succession of city wit-(left) will conduct overreas raigs trance, Locat Col. Welbara B Heinrich Spang are premding over

Brinckerhoff to Sell SWPA Planes Abroad

James A. Gurfield, of DPC, to direct dements sireraft disposal

completed with designation of Witoverseas sales, Branckerboff in chief of the Air Transperi Divi- il appears probable the Parae Sursion. Bereiu of Bapples, of the rarlies's report will be followed is directed by Juries A. Gardalel for specialised industrial of prisurplus averaft pelicy is under with ration to be established by gurdence of Langt Cal William D. Morne to Be Steend - Henry Hage Disposal Job - White to plopes have not been declared norplus greeness, this obuse of day, such to DPC storage furthers and

when declarations began. Much of it will have to be discount of over-Forgign Economic Admirastration after consultation with the work-"Takabi the Reconstruction Finance Corp. Administration to which surplus planes are first

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port on flight into storm for Head Plane Surplus Disposals men. William W. Bruscherhof.

Aviation Insurance Man-

A few taction; acreeaft surreble

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proved steelf once more and AAF devastation along the Atlantic The flyers, Col. Floyd B. Wood, deputy chief, AAF weather divi-

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the working committee will clear

A.20 Happy Stands

Three AAF meseorologists re-

Hurricane Test

Division, took off from Belling the hurrienne, visible as a long black runs of clouds. Forty-five downward sir currents as the

\$100 Med. Wird Beristered -

studies had led the flywrs to ex-

seas will be processed through a of the flight is being prepared AVIATION NEWS . September 35, 1946 ENGINEERING NEWS REVIEW

Gas Turbine Power Plants May Cut Costs of Huge Payloads Formers in industry say new development should make pos-

sible super-aircraft flying at high speeds with greater economy than present engines premit-Many nower plant engineers be- cuting angine, there is no lieve that the gas turbuse will do continuous application of power.

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turn Efficiency is highest where ation of 'come could' ofacts mean server efferences. The inchestagual



Picture at left to of the first carrier tokeof using jet- Wildoot, Mar. 18, 1943. Right: Gransman Avenged easet useds. The test was made with a Greenings sterling under threat of the jet with

AVIATION NEWS . September 33, 1944

combustion type, frequently re-

to the turbane needles. Thus, open-

for experimental closed cycle leased from a cuttack in Navy Considerable experimentation is great on with closed cryle plants until rarer gases, such as monatome gases, taking adventage of Legued mediums are also under consideration, particularly the "freeza." The liquid is raised to but pressures and best is supplied

## a hours, and the cycle repeated. FEDERAL DIGEST DPC Adds to Ryan.

Kaiser Contracts Summery of week's activities in

U. S. and war agencies. By MARY PAULINE PERRY Defense Plant Corp. has reads has been increased by about \$356.

ment at a plant in San Diego.

applications where grade rather in poshibited comerce! facilities of plants in Brits. tel, Pa. resulting in an over-all communicated of \$4,315,000. An increase in DEC's contract cost of alayet \$55,000. Over-all Bearl \$625.000

b War Production Boord apter production, unceeding William B. Murshy, reserved Comphell. who is also charresan of the Astothe National Forgs and Foundry Coramittee, has been sometant tion since 1943

passion of facilities by Genecal Finance Co. to the extent of \$550 -bone | horseness: AC water. The project will be financed by the loose labor sees stilling labor re-

### Leaders Pay Tribute To P. G. Johnson A National Way Labor Board St. tion of wage and mlary stabeliestion laws. The procedure provides

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Resen Airfield, Calif., construction

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Operators Committee on Au-

to cost about \$565,000.

freezent of the late Philip G. John-Fullowing a regular monthly tion was taken to elect a successor to Mr. Johnson Until such setton Estvolt, H. 7. Lowis, Harry S. ditional construction at the Boon Bower, William A. Allen, Dietrich Schrette, W. F. Finaley, J. E. orery pall bearers were: J. Marroy of Washington, D. C. P. P. Landen, Jeeph P. Rudev of New York City, P. B. Collina, Wifelum E Horrey, Val May, Nest Tourtelistie, H. O. West, W. E. Dr. Dee Palmer, H. E. Bowman Darroh Corbet, John Hazzel of Philadelphio, Alan Begare, Ne'll

suitable for many apprecia appli-The arcraft applications for shade shock and exercise cord of crude rubber and, accordingly, Jamesson, Gacy Vanghan of New specifications for the substitute are being prepared and will be tayled finally. The Commutee list-B. Langhe, Governor of Weshington, Col. Erifs Nolson of Westungton, D. C. Brig Gen. K. B. Wolfe of Dayton, and Bear Admiral A. A.

Scott Bassell, watche known batteen advantation and logmintire consultant, has been apassociation on Oct. of Rangell, which ended water spread speculation in the industry, was made by Eugene E Wil-Board of Gewerners and voncharmon of United Aircraft Russell has just completed a year as overral course for the George Consultee -- the special economic policy and planning He is 40, a matter of Georgia and

tion expensesce, having been di-

Textile Mexistreturers Assn. and

the Cotton Tratile knotteds

rector of the American Cotton

## Chamber's New Manager

Pror to compage to Washington. Bessell was prendent of the cotton mazafacturers. He re-ceived his law degree at Mercei After serving as U. S District Atterney from Mar. 1938 to Jan. ups, by entered private practice and became a perfect in the firm of Joses, Jones, Johnston and Bussell In 1830 he retired from recentrative matters and to famaker with convention problems everyther of the Churcher of helpthrough the West Coast firm of

ANTARYON NAMES . Restorder 55, 1866

## ACCA Governors at Washington Meeting



red Marches, urendent, Revalue Amaton Corp.; C. Brakner, Glean L. Martin, preculent, The Glean L. Martin Co. E. E. Wilson, charrenson of the board of

operages, ACCA, and non-charmen, United Amerals Corp., J. Carlton Ward, Jr., president, Farmhild Engine and Amplicae Corp., E. E. Gillmore, Joseph T. Orninay, Lamotte T. Cohn, John C. Lee, acting rusnager, ACCA.



(Left) R. E. Gillmore, prendent, Sperry Gyroscope Co., Skinss, USRB, Many Public Relations Associon Section:

Aircredt Corp ; Lamotte T. Cohn, sice-president, ACCA and theream of the board, Northrep Averagt, Isc., Marry Woodboad, president, Councidented Yulker Air-craft Corp., Sharmon Perribid, sharmon of the board. Favored Engine and Arplane Corp.









CORSAIR NOW FIGHTER-BOMBER on Jep siland colports. The squagross use doze-bombing and stide-

## Industry Backs 75%

Termination Pay Plan cancellation of constacts is gen-

erally approved. officers to pay at least 75 recover Regulations insued by Robert H.

blackstry Beaction-Stone stateseraily fair and hold that they simplify poscedure. There are some who feel the regulations are

In some industry circles it is contracting officer newers of such tractine officer and a note of cassdescript in mind in order to take

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orizen T-loans to enable any war

his local bank approximately 90

Europe Seen as Big

U. S. Plane Market

Two engineers of Glenn L

competition, may be a post-way



BCAF errores uses electrically base arrive use. Box ensures Herbert Gookes, of the Chess-

and John E. P. Mercan, manager of trict traffic margager, Doned Air Rabert Miles ver-resulted

979O COMMANDER: Mai. Ges. Noot S. Vandesberg, 45,

succeeds Lieut Gen. Leave H Breeston Gen Vandenberg to the

## Coast Guard to Get Air-Sea Rescue Unit alleling present service expected to expend organization permanearly after war.

A larger permanent Coast Chard his suighbaltenest in the

Actually, the Court Guard has some time. During the war, its where training activities are coninformation, to act as pinde ships inner. Detween five and seven P Stations Available-There are

anglet be continued as part of the organization. In addition, the the war with some 493 planes, rabeing on lean from the Navy. combering among them some 12 Daugles Dolphies, Greenman Widocese and the Navy-americal PBM's now being margind by Coast Gazed air crows. The Chinese Vaught OSSU-3, of the

## cuts hattle rescues, slso has been Gen. Wilson to TWA Brug, Gen. T. B. Wilson, for-

Transportunental and Western Av. General Wilson has been in and surface, in the China-Indiaserve duty with the War Denartment soon after the way become

Lathrom Resigns From Truman Group

Denald M. Luthrom, avsition in vestigator for the Trumen Conmillion, new known as the Special has been appointed, and committee ANALYSIS AND THE PARTY OF THE P Fellows Fulton's Besignation otherer's remmation fellowed rel under the Trumpy chargesalon of the committee. Police has

The committee now is concenproblem, and is expected to start Orleans, Son Astonio, Montgomcontrol saybore have been ex-



## PRIVATE FLYING

## Prefabricated Airport Units Developed by Westinghouse

President of firm's international company predicts wide postwar use of "puckaged poet" facilities for smaller communities.

small quesmanibles in this and foreign countries, as well as by flyorg clubs, fixed hase sperators, and feeder lines, as anticipated by John W. While, greeidest of Westinghouse Electric International Co. The company stell manufactures the electrical equipment and has acrongements with other manufacturers who will provide prefabricated buildings, portable lighting trucks, sewage pipe and other articles, which will go to make up the complete appert

Different Sires-Developed as a

parkage

comes in varying slees, with conatraction adaptable for a vetic terms cludes, for example, twelve types of main terretral healdings. The sir. By varying combinations of equipment, facilities and buildings, invariantible types of packaged

penser, sample terminal building. hangar and power house, intended for airport without paved renway port parkage with additional equipment for field with 3,989feeder operations, uncludes leving suprters for sirport personnel a Still larger nackure, for apport with 6,500-foot runways. \*Largest package including count-12.000-foot runways chade each items as sterings)

supply, and such profehrorated compressed to got them in

ines. In this and other countries. and the company revisions porsubstity of organizations or nations surport surkaged apports at one



AVIATION NEWS . September 25, 1944

signost within one day's time, was



audust considers with evaryment by Westischesus Electric International

felds nor build the runways, nor with companies specializing in in-Figur Typical Sizes-Typical of arrooms which could be built from Smallest with executed cours-

ment moladine radio transmitter. 50 kilowett schorater and 199 ways, one 1,900 feet, the other 1,200 feet, used the same day for Temperary permit to use the hipfing field has been received

### Airpark Financing Cities writing for U. S. funds expected to find other more progressive constructions have

Communities throughout the United States which are niting back waiting for a hundromy chunk of post-war federal funds to build an arroark (recently adopted officeal name for personal well belaush rappe progression neighboring corromanties which A stable portion of secrets in eviation landing facilities or "flight stope" along the highsurports. The streams is largely a correspondy problem, it is betaved. sisse when the air age reall comes plant most of the 16,000

odd communities in the nation personal plane landon familios. Bond Issues Voted-Acting on nurpark construction, eleven laws from in local airmork building is

city fathers to action in preparing

### SPARTAN'S FEEDER PLANE TO CARRY 6-8. Courter Amount Co. Tales Olds. Any consumped meal-way plans for

a 10-cassade stop may use coly a

Lightplane Market

While habteless mossing-

turers argue pro and oce.

building two all-metal plener for percent transport. The Skyway Traveler, above, turn-engine plane, will corru six to eight, is designed pleased is a faster, more concerned person of the well-known 4-5 place Sparten Executive, becarriously appointed and fitted with condetely retractable tricycle landing peer. The pre-now Essentive, frat produced in 2835, was a high performance business plane before the war

cteur organizations, which carried city's autime terminal restroom the ball in former years for facilities the average personal commercial benefits to a cornmuch more and to use eversight town airpork or sirparior dependin the dawntown area adjusting the surpork, and at least buy a its bee air terminal. While many floragh string peaceagers with

pand its local trade area at the tourists, also at the expense of local consumity respectibility in

to bey their own places, as whether they will even sease and aroughly they will be seenallowed to gratify it There caretion of whether they will have the money That will de-

Colo. Plans Air Body Recommendations for establishment of a state system edvisory committee with pand director and enripeering staff and proposed legmintage to emple Colorado recenport facilities will be accepted at Clarence L. Ireland, Accounti-

dertalom by forward-looking [sea] Chambers of Commerce and other AVIATION NEWS . September 15, 1944 dle motor traffic State aid to pared by the accountical correscounty commissioners probably in

Firestone to Offer Line of Air Products

Saturdayet trend in merchanikavace fiver market is indicated by announcement that it will offer

Finder Program-Lee R. Jackson. augerel such as flying teckets. sigves, our dinner, and that withtowal stems would be added to the foders, etc. The setup will be ex-



PROPOSED MINNESOTA AIRPORTS Mesospota Poll reported in Aviantee News, Sept. 11. Two map, presomer Lealer Sphrouder, sudjectes existing and projected experts to his CAP who later last her life in a state, as they fit will a state-wide program

## ATS Studies Flying Safety Hazards

mosth November, 1941, ATS miles, or appropriately 14 firms ported pilet production in these 116,000 a year The schools, under Accident Bate-Among them to against the total time flows by primary training, ATA schools instruction to British, French Dutch, Brackin, Chroses and artiflery offerrs and WASPS.

### Air Country Club Development plans surrounced

for the Cornelis Fort Airpork, 300rentinent factition which may reake it one of the rego; attractive ranges and putting fields, terrain and badrantes courts, baseball

fields, a boothouse with seaplane facilities, a restaurant seed drue store, specialer scale on a sreal

Fairchild Hircraft



## Formula for "Forwarder"

The farmer Friendald "Forwarder", desirand in 1952, has been constantly project and Ranked before the war among the most popular four telley, it is performing a vital function in many theatres. The engine section has been completely charged, with day 500 to. Basser invested Johns archeing the 165 ke.

sackal. The peer "K" model has a longer, more streamwith a leaf wine desire, afferds hence visibility both in The use of wide landing year, placed well forward, and the sol of ware flow, makes would above bridges and take of ain small, reach folds. respectiveshibey, and add to the life of the plane, our of every gan positions during structure. And so a utility carrie earner where medical excelve, accounting, or parts

rankons officials to noteta where they are most needed. In the "Forwarder" our armed forces have a plane which, since it first come from the decrease baseds, how above been shoul of the times, the embedianest of the

District of Frieshild Easter & Airplant Carearatics.

## Small Port Survey In Milwankee Asked

meads investigation to descration hear since fee flinks string and sir parks in downsown area. City-wide servey by the Milwastee Land Correspond to deterrupe best uses for our strips

shaped strips providing 2,000-foot

runways 333 feet wide. In downtown sublic narks, and a future olevated akatteem roaway syre terrural to Billy Mrichall dald. 2 37.999 Fram City in Aviation-Fennets Trecker, of the mayor's 12.000 men from the Milwerker

Courty Board to sufficient excastagering firm of Horsey & reparting on suitability of exist-

currenties are Rebert Aldredt. Minneapolu-St. Paul airport comternate airport sites if existing cremoner, Martin W. Torkelson, fields are unsuitable



NOSCWHEEL MODIFICATION ON CULVER PLANE Interesting multiery modification taken may be uneful to hightplane lightplane frees which the turget plane some developed, had retractable

nos, two engineers from airlines IP Personal Plane not serving Milsewakee, and three other aviation experts connected with firms in Milwackee. Revisions Expected

personal screens to a level consistent with volume bunstrate definitely its practical

The intersety but flery jet, which streems from current in difficult to conceive of a lawplace powered by such a themorplants are whalety suggler in construction than orthodox to produce on a mose produc-

surport planning and soming will Asked to assist are. Frank Bane, executive director, Council of State Governments; Walter 11 ters involvedly colling the rise-George B. Logen, Netronal Assowidnly warrang aircraft uses

ean Ber Association, Charles 8 b Committee Numinated-Surgest-Among proposed revisions to be power in protecting surport sppreaches; public utility nature of private amports; obligations of landsweers to mark and light

In Port Zoning Law

Incorrespond expected to be

made on the model state airport

ington conference Sept. 28, betration and state and municipal

tive sumirou scheduled in 45 states

next January or February. The law has been voted in 12 states,

the National Institute of Musici-

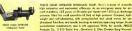
Charges-in determining what, of any, changes are to be rando in

of State Governments

ACC Group Forming Air Show Committee

the Accornigat Churcher or Commerce is working on organicatee. War interrupted the industions. When shows are recorned they will play down the mystery and adventure of flight, and em-





Minfo new in Medicalital

Controlled Flow by PESCO

Nah valurative and marketing afficerery. As an emergence pump for an arrange, Mary for world manythin of find of both pressure. Compact, babtweight and self-lubricating, with spring-located hell sheek walves for wewaterlandon requirements and is AN approved, Write for details, PESCO

Sr. Alsouth Hydroxillos, Feel Pemps, San. Air Parses, Rainford Assessments...

PERFORMANCE POINTS TO



## 10.000 THUNDERBOLTS!

The 8 NEOCO Regular Theories of the Court has pers core of the assembly have There was a reserved power. I should be a been been the court of the co

night hard work and upleaded cooperation by thousands of people—civilian and military. Republic to youth, naturally, of the reduced excellence of

Impublic to yours, normally, of the indivisors considerated for Thrashifolds, of any producess consist, and of the superfective record of the price is where the best is progress for the superfective strength of the price is described to price in the superfective for the product will of the spite of the price of the superfective for the product will of the spite of the price of the superfective for the product will of the spite of the superfective for the product for the price of the superfective for the supe

Republic (foot in war point to floor in peace

## REPUBLIC SAVIATION

Specialists in High speed, High schrode Attorch

### THE AIR WAR

. . . . . . . . . . . .

## Mobility of U. S. Sea-Air Power Is Navy's Trump Card in Pacific

Ability to strike devastating blow against enemy and few days inser blast another have 1,600 miles away gives combination of surprise and power that makes carrier-borne sircusfe recognized spearhead of fleets striking force.

A year upo, when the Nory's neutralization of an energy bean

by assessful tout road against Maria.

The construction of the control of the con

as energy hase, and within a nonally of duty roc over arothin tending to have the performance stronghide 1,660 miles nowy. The of correct-based fighters As the content of surprise on that he presented matter, knowney, the content of the performance of the presented matter, the content of the content of the content of the content of the the content of the content of the content of the content of the said theories the way. This said their tent was the content of th rely as well as their land-housed estemparts, and the U.S. Novyless and Corano are proceedinglyless and Corano are proceedinglyless and Corano are proceedinglyton their opposite number as the F.P. Ohr. P-17 (Thinderbold). In any Corumna IPT informate fabric (respected as the Paire theory, while all are supprised to prince the Section of the Paire theory, while all are supprised to the Paire theory, and the Section of the Paire theory, and the Section of the Section of the Section of the loss greatly increased by the loss greatly increased by the loss greatly section of the loss of the Section of the Section of the Loss of the Section of the Section of the loss of the Section of the Section of the loss of the Section of the Section of the loss of the Section of the Section of the loss of the Section of the Section of the loss of the Section of the Section of the loss of the Section of the loss of the Section of th

and Jan Zem have performed very

our of drug tasks, and then strike properly in proceedings of the strike of the proceedings of the strike of the s



NEWEST MEMBER OF SPITFIRE FAMILY: The British circuit first sent into combat on June

but heavy encaces and bettleships. This Hentah suremaft first users to the combat on face 8 to upon them as well as inch-based armiton, had seed specific in support of landauge on the Normandy beaches. The an important place on the team. Seedire III is provided with follow usage to furthing our only the common of the commo

parts, floating machine shops and tightening ring proceed the Japa- cal air force, materially sading 000 toru (present Essex class wrighs 27.000 toru) which will be thus fitted to play a vital role in such as the North American PRI-1 of the American Armed Forces in Ben-Air Power Dectrine-Naval years to come

integral part of the free itself it AAF Staff Changes constitutes the Navy's advance attack a hostile fleet and also de-War Department assign May Gen. James Profit Hadges as Assutant for the first time in a modern arrcluding environ, from hospile Chief of Air Staff, Intelligence, replacing Brig. Gen. Thornes D.

and in preserving the peace in the





and he Salle, Stone Onder El maine developing over 2,001 hr. and Plane is heavily arread, fast and has high efficied performance at a cell-

Naval alrereft function as a White, and Brig. Gos. Frederic H. and bomberg objectives for abond Wilson. Soth White and Wilson. of the first. They are also a tarti-

## 5-Bladed Prop Used supplying boesting and strateg On Shitfire XIV

New Rolls-Roser coarine added. combination giving craft excep-

monal climbing ability and cell-Discissure that a new Spating. NATIONTON USING a five-bladed peopeiler in now in action over Escope his The five-hinded peopeller, used

craft, and an entirely new Bolis-

five-bladed propeller and long design with fully elliptical wirgs. the only trouble has been to find sufficient enemy to intercept Fighter-Bamber-Spattre XIV to fighter and fighter-homber with a signed by Vickers Armstrong Supermecias plant Forms is a Balls Bayes Griffan #5 develonthe case 2.000 hr. This eneme to

corry a 250s or 500-mary beach the XIV is reported to be fuster than any other Spirfre. Deneawing area 242 square feet and

weight about \$,000 pounds

AVIATION NEWS . Sentenber 25, 1944

A LIQUID-COOLED GIANT -THE WORLD'S MOST POWERFUL

Goong toto America's new planes in the most powerful lossed-cooledsixtraft engine in the world. \* It is an Alliana sames - of approximately 2,000 herspower. \* It is more powerful by

hundreds of hoosepower - gives our pilots over a third more power to work with than the hasking engine than had before. \* Vertadly all its parts are the same as in other Allacen. So plans creas around the world can service it. right new \* Its high power, long range, amoughness and dependability are qualities woul in the days of was, and equally exposure in the please in which-

you will fir when peace require. KEEP AMERICA STRONG





#36 and P31 - Morang P43-Engenire

The more than payons differe enginess both for the U.S. draws the Florida

## GOOD YEAR AIRCRAFT PRODUCTION REPORT



## CONTRACTS: 76928 - LL91367 GRUMMAN TBF-I (Avenger) 3,000 Sets, Empennages

DESIGN CONTRACT RECEIVED: SEPTEMBER 1940

Remarks: Production history of these contracts includes detailed structured design prior to testing and manufacture of entire especage. Battle history of these carrier-based Many fighters embraces spin schievements of Midway and Coval Sea; fighting

GOOD YEAR

HOW GOODYEAR AIRCRAFT CORPORATION SERVES THE 1. By constructing com
2. By designing parts 3. By re-engineering 4. By building complete potentials to manufact- for all types of employees, gods for man production, gloploess and otherwise. AVIATION INDUSTRY 5. by extending fections of

Alcon, Ohlo Lischfield Perk, Arisana WAR BONDS BUY THE WINDS OF VICTORY sign or engineering problem.

AVIATION NEWS . September 20, 1944 AVIATION NEWS . September 20, 1944

## PERSONNEL

Walter Bowers has been appointed

John W. Moore has been married tradic planages for our transport of

Walter Borrery

A. Jarkson Kelly (photo), formerly vice-prevalent in charge of engineering at Douglas, and Br. M A. Thompson, chances of the departdation on soois-

memoria Tulberi ter Lanco, replacing Mildred Block A. Ruce, who has sence. Man Kellerman mesed Con-Emertal in 1945 and has been a dom offices of the sirling. Matter young Pun American in 1997 as

member of the traffic rules office in Ray V. Harier has been shorted were Capt. Junes Young Crosq (photo) conversion period. Harley is a has been proported to chief prior of



operative program was developed by dix to the War Department for a

Gorden A. O'Reilly has been apcounted superintendent of course-Western Ag, Pac, secceeding Bow-ANTARION NEWS . September 25, 1844

your to May Gen. Levin H. Curry bell, Jr., charf of ordnesse Harley transit Bendix in 1935 through the Burley-Towsend Corp. of New Baward C. Sauer has been named

ton. Ohen. Bouer has been charf of the agti-fraction boaring section of the Tools Booms of the War Pro-

William M. Stevens, Interesty No.

moded to New Sechtone Stevand was National

my transferred to Jarksmarth

early in 1943 He is an attorney and

George P. Telmorah, Jarreet accu-

Leute J. Woods, who joined Philosin 1975, his heep named granader of Darrat where Photos wall configure the automobile and operatt indus-





Bird in Hand The Boring B-29 Superfectress is a releases and

propertyl bird of prey to the Jupe. Phying blaker, france, further, and earlying a greater destructive lead than gratic to the pilot's band. Here's why . Through remarkable engineering achievement, no newer or boost is required to move the B-20's extensive corried surfaces. They are directly actuated by the riflet. This is made possible by new developments in trivien freedom sourced by Felsie Bell Bearings in trailers and other turning points throughout the plane. weight and less cost than while the "boost" system It is well worth noting that, as such now improveiron configur their maintenance of strength, rigiday

Bay Her Bends and Stamps

FAFNIR BALL BEARINGS

and americally in all youl terrolog points. Falsie emplneon will libraries continue to cooperate with the industry in engineering friction out of pipersft design

most 14 years starting as a radio dovelaged TWA's present ground statum rugas transmatter, and is a D. H. Marketing has been payed

tracting planes. A. E. Balcombe has Charles L. Egenroud, symbol added of the South Street, (Inc.) Tribune.



strursent Corp. child enterprises for 15 years. He

Marris G Miles, resetion relater of the Los Angeles Tonge, has been William C. Selbin is the station on go rangers of American Expert Air



of all carge and most out of and into

ager. For ten years he was with A and K. Hurgan, recently named discretes of empressions for TWA F. Caled and Co. Sorrigo freight forwarders specializing in inter-O'Heilly has been with TWA for almented director of publicaty and



written erticles for many national TELLING THE WORLD . Tayloreraft Aventon Corp.

will be the first magazine adver-



Gara before his expensioned by Branchie Aventury vertising agency, where he has been

. Frenk C. Williams, former de-man executive of Stout Remorth

. U. S Department of Labor has

itsued a new pamphlet Safety Through Managersent Leadership.

First copy was headined "When a

Service will book you on Eastern

hery manager of the Farmingdale.

L 1, plant of Republic Ava-

of public rela-

Carl A Coper, former executive

for influence in Phast-city Africativing. Why Industry Seeds II, Howunderstanding in the plant-critica where it lives, works and it dissets to the people Joseph E Lower to head of makin relations and oftenturns for Eurobald In addition the ern, Lockbeed, Martin, McNewell. AIRCRAFT PRODUCTION

## Design Changes Bring Revision In 5 Plane Company Schedules

Cancellation of 1947 Liebtsines at Lockbood Burbank plant ordered: Decelar Oklahoma Ciry unit told to reduce C-42 social by 1286; P.60%, PT-1Vs and P-6Vs affected. Shifting emphasis of the war in was to make way for a new type

the str and an indication of af surplene, details of which are changes in the aircraft production secret. The P-38 is one of the top picture set to come are posited up fighter planes of the world, in the latest revision of fature air- | Doughes Cutbeck-Second largest craft production affecting five corn- curback involved the Decglas reduction of 1,280 C-41's was or-Certain types of scroraft for which there is a directional deextend through December of 1945 mand are being out back, some sharply, to provide space, equipment and labor for the manufacture of planes for which there is a by good and the schedule change s Schedele Bryinians-The cutorhedule revisions started some months ago and, whole the War Department report to WPII's Production Executive Committee made descrived revisions will follow Largest cutback sevolved the Lockbeed plant at Burbank, where

Salare production of 1987 P-36

Laghtesen fighters was resealed.

widespread speculation more the

At the same time the War Descataging of their Kender PT-11 causedisting of \$41 of the craft

t Reviewed by WPB-The War note that all cutbacks were reviewed by WPB's Prediction Exscuttre Committee staff, formed for this purpose and composed of Muritime Commassion, With War Manpewer Commission The agrouncement also noted bucks There was considerable criticism of the manner in which month was handled, the companies and the workers, afflicted by peace

New Sperry Compass A directional gyro synchronized this transpert has been connutents with the magnetic field of the dight instrument, the Greener company, Source cognessy have combaned the functions of direcnavigation, but also to fighten and that is in part because the Gyre-



Members of the Advisory Committee on Production of craft, Streetowi, Cove. Front rose, I to r.: G. R. Auld. sic, Renner Aircroft; Mortin Borbs, Curtine-Wright. I J Kernah, Berrabite, H. F. Lauter, Revablue, B. D.

Totalerro and Raz II. Belsel, both of Chance Yough Back rose, L to v.: V. A Johnson, Fetrohild; C. W. Shunley, Gleen L. Martin Co.: R. C. Hood, Eartern C. J. Fiven, Eastern: R. A. Harter, AWPC, East Coast. Inc. William Dayes, Rell Aircraft: H. S. Tillingham Reit: Rebert Yaven, Gleen L. Martin Corp., and H. K.

## 'Copter Development Speeds Ahead; At Least 12 Models at Flight Stage

Nash-Kelviranor begins production line assembly of Sikorsky R-6's; Army testing Platt-LePage twin-rotor aircraft. With the start of the second up. After Rell believater has been test

the flight stage. Nuch-Kelvinstor Fifte Hiller-copter, already test has begun production line susten- flown will be built in larger bly of R-6 helicopters designed, models under a contract signed by on other and and Erst boots by Science.

first helicopter namembly line at Bridgeport, Conn., and in getting The R-6 mounts an sir-cooled a 450 hp. Pratt & Wintney. status are

twin-rotor model powered by a 450 hp. Prott & Whiteey succes similar to that used in the Sibarsky Rob. Others are reported being \$6.4 A Aircraft at Willow Grove. built and Platt-LaPage has proported a 12- to 14-peautigue model with too speed of 140 mph.

derstood to have built several

Franklin 345 hp engine, the B-5 rearcal demonstration for Filene's of Boston. It is still in the test category, but is reported to have a Army is besting a Picti-LePage | Kallett, with a long experience in

Continuation of college air h Arthur C. Schoow, Detroit englnear, has beeft a ship with counter-& Co. the West Coast, the Landered is now building a believopter model

Reconversion Plan

A seven-possi program de-

Woodhond president of Consolulated Vulter and a mem-

Woodbrad's account repre-

Adoptate upersplayment in-

Transportation of workers to

to account bround a feetre or five. the price of a resident waterrobile. model at New Orleans, but results appearing. Work to continued Paretty Helipopter, Inc., has pub-Harrage Average Co . of Son An-



CONSTELLATION ASSEMBLY LINE

Lockheed C-69 Constellation transport plants shown at the final autembe realong a model that has not yet



## Another Baeing Superfartress starts for Japan

They're becomes to call off the countmost guaratic production programs ever custilized a mask achievement that

As eventor of the Superfactures, handerly of on-operating comporter .... them slong . supplying mater people that central the intendamperbility of parts . . . making anathable to the other reation, including new flowing developed. narray all the combaned activities. refudes the Martin and Bell seconds

composets, also producing completed ducing mage ngh-spreadhes - Brugo, George Chrysles, General Messer, A. O. South Wirk felffless the proposability of

lands in producing completed Blank. When all facilities week constitute Boxme wil produce approximately 74 per The Superformer and the faceous Done Former owners Borne's offer.

When the nor ends, facing win risks of draws, expressive and each attention will be normal to reporting products . . . and you may know at our product that, of it's "Built by Borney,"

MERCHAN OF THE PUTTED FORTINGS . THE MEN AND ADDRESSORS IN THE STRUCTURE . THE STRUCTURE & TRANSPORTED IN CO.

Tiwon Aircraft Co. has been ex-Massisso Truler Coach Co., a duced a model for test purposes h Tindes Machine Step, who a West Coast tompany, is reported buildtions projecting belicopter models are Retopiane Curp and Bettrone

## Martin Develops

New Landing Gear New Landing Gears Close-up or Lightweight retraceable waste new hahtsreight retractoble landused on Baltimore believed ing gear which its investor cleans adaptable to post-war contractmay seed ween prester payloads cial transpores. The potent is assumed to The Gleve L. Morne Co.

not year with passibilities for to The Glenn L. Martin Co. The new cree, which morebracing and lacking in the down traces, used by the British with-

was 667,184 pounds as agreest 19,-666 heards gross wortht for the factor of 6 g's-s landing gear to gross weight percentage of only tions from improvised fields with sed this strut can be made as a single forging, elementing many Weight-In the Martin A-39 in- small assembles found in other stallance, weight of the main year types of leading year. The also ing the year.

ringle cross brace from the other end of the trunnon sheft. Direct corrections from the also operate the need for additional hydrocals: mechanisms and assuring positive is actuated by a hydroulic retinabout the trunmon shaft as a proof, up and back to flight and

the Nestrot and braced with a

SAE to Meet in L. A More than 30 papers dealing with engineering aspects of aviational Accountie meeting and Asseraft Enganeering dasplay of the Society of Automotive Engineers, Sessions will be held freen Oct. 5 The application of war experi-

ence to post-war swiation will be the thirf theme of the resmons. General chauseon will be J. L. sentation of the Manty Memorial

FIRST PHOTO SHOWING FIREPOWER OF B-29 SUPERFORTRESS. gree, remote-controlled turrets of the Boeing B-39 reto are: (1.) top forward turret; (3.) lower forward which gives this bomber the most highly developed

erwament system of any carplane. The system in completely electrical and makes possible on rationtaments and heavy concentration of the power on any delition a 20 mm, carnon,

turnel. (3.) upper rear turnel: (4.) lower rear turnel and (5.) test mount which, in addition to two 50 colling marking gang taken the others carry, has in

## FINANCIAI.

## Merrill-Lynch Analysis Favors Airline Stocks for Long Pull

Report lists prospects for growth, reservoir of trained personnel, technical advances and U. S. support because of national defense aspect as factors for advance.

spection if it may not become

necessary under post-war oper-

aling conditions to afford the lines

with immediate relief through m-

it is believed that without war-

viers may soon return to the

of Pullman traffic could have been

of shops to 200 planes corried had

62 percent of Pullman traffic in

1943. the serlines well require serv-

eral times that number to carry 70

h 1942 Absorped Vegr-New 1943

kna traffic was already toucheng neak levels and simply totald not

The year 1941-one the last year

average fleet of about 350 planes

reant." (This percentage of

Scene authorities may contend

That arrive securities present dustry, same cordes sensouly is the conclusion washed by "Air-Treat-1846'-dwirth arread toview of the industry currently beone released by Marrell Larnets Fenner and Beans, many-branched New York Stock Exchange firm Areceg the favorable factors listed are the undestrole country prospects, reservoir of travaid percourt, war-improved equipment and methods, technological advances, government support becover of the national defense anpect, lessening dependence on mail new regulated expersion maderate capitalizations and same of reconversion to peace-time opera-

Bearish - On the unfavorable dividends, trends toward parallel services in domestic field, poten-(in) inroads of railroads and other new companies, keen competition in foreign field, potential lack of pective rate reductions and danger The survey reviews high mots lynes indrestual carriers. Il ratses a comber of reacts, becomer. coeffict. For instance, much is made of the lessening dependence other hand, the contention is ad-

part by the environment after the war may be anticipated. This being jate sharp force the cale to be assumed by the federal name. nest the assistance was in the form of mail compensation in se-

Mell Bate Adjustments-In fact. even without the ambitious expon-Merrill-Loneh for its own account. her been made. AVIATION NEWS . September 25, 1944

and that of its partners. As of Aud-3. 1944. a "small" interest was reported as held in Eastern, Pan American, United and Western

to defined so having a market value of less than \$50,000. That is years when the firm reported "substantial" and "large" oversimante in Notice converters Madhave doubts as to the advisability of swning suline securifica-at least for near-term woulds.

Liberty Stock Vote A special meeting of stockhabiters of Liberty Alcoraft Prod-Sent. \$5 to assesses a two-for-one salet of common shares and to matheriae invance of 199,000 shares of new \$1.25 correctible \$10-par preferred of which E0.000 are to he offered for sale as seen as a The firm's consense stock will he increased from 200,000 to 600. 660 shares and the nar value re-





that perhant it may not take as Goodness Tire & Rubber Co. remany planes on farmerly believed verte net cales of \$454.707.515 for the my receive of 1844 on varyant market. Mornover, planes with of 10.5 per cent over the 2483 pe-• Holdings-An interesting sidelight is afforded by the octual inpleted, provision for peoplement for 2543 and the fret half of this woor

## TRANSPORT

## Air Cargo, Inc., Asks Wide Changes In Rare and Tariff Methods

Nationwide field survey of air careo potentiality made by group being summarized for distribution around year end.

By MERLIN MICKEL

transportation Sinteen domestic things, that Great Circle distances holders and others by Air Cargo, Cornelled by W A Weeks rate and turiff analysi, as his final job hard on automid shapments. He h Carro Survey Mada-Avather one done by the group is its ratinewide field curvey of air cargo marined and prepared for dutriburate structures and taruff pressstudy made by Air Cargo, which b Great Circle Miteagramate var-

Air Cargo, Inc.'s Recommendations

per on intertine stagements

Foal report by Air Carry, Inc.

on air express seed air freight

That Great Circle distances be

used as a basis for (a) air em-

That the "direction restriction" rule, now employed in our-

nection with our exercise obernecessa wan air expri That publication of rates for

fractions of a pound be discona That sirlines consider provision for mammam revenue to be al- First a shipper's discount plan struct ful to give a permonent For Amoust, 1963, air express cle \$478,859,494. Thus, if great pensate' for the difference. Parce) Past and telephone toll rates Air express rates are based on

that rachedo ratios actually flours post-to-post beau. They are representing 100-wife blocks, the second 150 to 269, and so on to Dimension Bestrictions - Advoincussed—is al variance with the on Rates and Tariffs, which in articles are offered for air carriage other than local rates for rail Final the block method of tariff Fifthat saw scale of rates or extended to cover all distances rather than end at \$350 males



Example a deficult welding published larger belongs sedheatines compounded a walding altry that could be applied with a point bresh. The altry flows entry under

Such to has an example of the application of the

MIN MCHANGE, Mr., EV Justines, Jos., Ser Swor Ld.





The Science Behind the Science of Electronics



Their elemention would simplify AVIATION NEWS . September 25, 1944

Missessen Revenue Provision .... tippenents on shipments between the same posts. Bevenue distrua cents for transporting a ship-

ne R to the pristing corrier. The surrivation is that such moreby an amount per shooment rather

Types of Service "It is almost amounts," says the report on air freight and Corgo, lige, "that the ser corservice by which commidden

of larger shongers, and if indis-

b Black Method--like of a graduetariff publication recognizated instead of the present 199-mile rarthed of rate publication would

neget" mobilication method. Saurie expense but would complicate the

tanff, so the report suggests separate taruff subbeation for the two Audines must adopt the bureau method of rote making "If unito abtain." If shippers are to be nower" at the great traffic volume

criminate rate outting is to be b May Form Bureaus-Under the Civil Accupantics Act, the nirlines visable under section 464 (b) makbetween surknes and surface ture riers. The surtner should avoid publishing on industry tanifi-

it, holding that it would be a "promotional" or "miles" desire rather could be effected without being subject to attacks from the shipnone mubble. Beauties a correbor of

part recommended, therefore, their Problems Confront

What to completes and due

based prehotring conference for cares reised two familiar problems

Attender owner forted to more the Board, and there seems hitle resproblem of lacut and though per-

Stress Simplicity mention a rate structure in turiffs as simple as is commanufact mouth a clean and handle sign profit by and svoid the errors

soundly. Attorneys representend

ing Dec 30 is the date for excharges of extribits Attending the prehearing coning with applicants for U. B.-Ales-Aluska Atritues, American Presto owner. They m. of course, and deed Lines, Ltd., Chucago and Southern Air Lines, Howarian Air Lines, Lod., Northwest Alrinos. Pan American Airways, PCA TWA, United Air Lines, Western Public Counsel has recognized-Air Lanes, Wen Alaska Airlinea

> Acresanties, and the Department Wright Confirmed Noramation of Theodore P.

Senate on Sept 20 Wright, forswrrees Coronal Office, will take for amending applications now on over his new daties Oct. 1

DAL AT GUADALCANAL AND AUSTRALIA:

These victores of United Air Leney operations for the Air Transport Command in the Pacific show a plane at takend on a runway of Gaudel-Towartfile, Australia, where the mounted servicesses are starting for agence on a C-54 flows by UAL. United moles two round tries a day between Sen Francisco, Honolulu and the Seath Faudo. The fact that if our talk about its ATC nork to this extent illustrates how the ban on not be adapted even if legislation away nassed to permit it. The re-

CAB in Pacific Case

postponemera of proceedings Civil Accountifies Beari's com-

Nearly half the spullounts asked to have the bearing date, now Jan. 10, delayed at least 60 days. Seresfor pleas from applicants in both

> several Alaskon corriers sale before U. S.-Alaska applicants reald by heard mucht prevadice the b Bradline Oct. 2-Examiner Boss I. Newman, who is conducting

Credral Pacific, North Pacific and

mally set. Oct. I is the deadline

a Consolidation - The connectedtile or for Oliva new applications concerns the equity of handling

Assent correlions at La Guerdin Paris broaded france, and auchoused stems were high prights girecorrect year. The new high consisted of 725,272 pounds of July Largest single classification was men! Moor- note in corpo service, in in the left background.

TRANSATIANTIC CARGO SETS PAA RECORD

## Interest Revived in Aircruiser As Single-Engine Feeder Plane

Possible relaxation of rule requiring study-morored craft, plus growing importance of ton-mile cost as limiting factor in range of goods that can be flown, turns strengton to Bellanca's

### By BEAINE SYLBBLEFIELD

lines, and on the masn lines for be flown, have brought recent to-

curries to Bellanca Aircraft con- > Medifeation Possible -- G Only one-matered large transries 4,000 pounds payland, crumes cents per mile, according to official

Dusign Begun in 1928-Dearn of the Asternator was begun in 1858. and from that time up to 1946, a various perchaners. Army Air Corps took 14, designated C-81, disputeress attempt to fly the mail

single-engine applanes on feeder. Command, according to company officials, performing a dally Army corgo service between Middletawn Air Depot. Pa . Beiling Field at

Westington, and Langley Field. cereing its single-engine Air- Bellunca told the writer last week, at his plant at New Castle, Dela . that he could modify the distincpart in the United States, this thre-backing sengaphane (it means phane gresses 11.460 pounds, car- wang and a half a using better materiols now available, gree ri more power and higher performance. and rame the payload to about 6,000 peareds. He said he would carriage, with retracting geer.

ordinary steel-tube "brash" sents Bellenes, watchy known as an efficiency decurser, and worser of ment in eliminating abuse of the smaller planes in service, and took as a two-engined plane with one



SINGLE ENGINE BELLANCA AIRCRUISER Demonstra this high-neutr nersed surgeplane. My Svilance termed for:

Later revenues of this solved must empled had retructing londing over, degree of the States

Fredend Incressed-Early verwith the 655 ho Pratt & Whitney 181 by Weeks Cushes south the paying to 4,000 pounds. to that either radial of mine engines can be mounted. Light co-

Protect-Ambulence Plane - One

discounters more to the Cohen cona copper mine in Ecuador, brought in 15,000 pounds of fuel oil per coast curried ten \$99-payed our-

It was an Aircraner that rep-Curb Priority Abuse Government agencies, commer-

Principles and Traffic Dyvision of une requests. These new proce-

to leave regulation of sylation in-

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Are you interested in Solst, personal planes? Would you like to play a vital role in further developing and operating a "not-too-big" plane manufacturing operation? Does postyear security and ample compensation appeal to you? Have you completed your War job? Are you immediately available?

ARE YOUR ANSWERS ALL "YES"?

Then write us a letter. It will be held in strict confidence. Tell us all about yourself. We're particularly interested in . . . Your name and present permanent address.

Date and place of birth. Details of education - schools, degrees and dates. Details of experience - dates, names and positions. Marital status. Salary asked. Date of availshifter.

> Address all letters to: P-119, Aviation News 330 West 42nd Street, New York 18, N. V.

## Plane Engine Fire Research, Halted by War, to be Resumed

New \$100,000 CAA ten laboratory to be started immediately near CAA Hangar at Indispanolis for continuation of study that was voted most important problem confronting industry and sirlines.

sirlines who have selected power Last such studies were conducted early in 1843 before war work craveled the artist out of the Bu-

for their recumption, but it was

WHAT ABOUT THE CONSTILLATION?

Recent cale by Doucles of 92 DC-F2 and DC-F2 for post-year delivery

called suffreet attention to other his plants corregried for commercial

ure in the serie restower seried. Arrests them is the C.48 Lockheed Constellation, then present of which are though here. TWA had 40 of these shing on order before the year, and Project Light Prop braied after the

"Yourseld" record doubt arrain country last April that his compony

would be glad to get delayery as soon as possible. In the meantene, the Army has been taking Leckhood's output. These pastures about a vic-

Absendt manufacturers and the order in which the industry feels Projects should be considered. Querionnaires were sent the aclines and 30 manufacturers, the latter grouped in large and small categories. The alrives gave first place leighly to the fire tests and project-resistant windshields, with

research imperiance. Manufacturh Other Business for Study-Other research projects the arrives there should be stadled, in order of their luccanation, arroraft position lightung, combined totalour and fuel

chires in the solution of vibration Large manufacturers selected and the Air Transport Association, stress analyzer and position lighting as fourth and \$5th. With small

named with habited it. These two



Statement to which life insurance rederied in a survey by the littlerate of lafe Insurance. The stude sucluded 200 companies. Nearly half place an sirling travel restrac-

ocean and other air travel outside

tanks, was instrument panel dismination, fight log recorder, and colleges, registent whytehields The ratings are to be reviewed next month by the Chember's arresult a Started to 1935-Plans are to make the fire tests a confinuing tot on risco 1938. These proprie

tions. The testing program is to Rarling studies dealt with exgues of 1,000 hgs and under Deso recordly, thus to the war, that then 3.550 durelacement dass of about

3.000 hp. This is the same of the engines in the More and Countelloh Estinguishing Equipment - The Army and Newy have a prime inand methods of capprenting there.

American and PCA, he denied Generally the reason for the adview recommendations was that This appraisest was stressed particularly in regard to proposale

Insurance Survey

for new pervice to Meetreal and Ottawa, Colordal, American, Eastern. United and PCA all sewhed for trans-burder routes to those Constitut villes. The percet posts. other and U. S. points was primartly to New York City, with a leaser but irreportant volume to Washington It was deemed that existing Meeting) to New York service of Coloral, with the frequent connecting services to Wash. was rufficient to fulfill the designal. Besides, CAB acceptance of the to New York would furnish sir transportation between the care-

While the new transchooler ser-

Righth U. S.- Canada

Line Recommended

The seven U. S. arrigge revotes

hy new service from Barlington,

VI. to Ottawa under recommenda-

Beard by Economore William J.

Madden and M. Heinrich Spang in

ated by Colonial Arrives as in

extension to its existing YAM 1

from New York to Montreal Pwo

suggested by the examiners. Penn-

private Cretral Airlines would

be evented an extension to six AM

American Autures' AM I would be

extended from Wilker-Barre to

Pasia Sriphia, with Electra-Corn-

ing, Binghamton and Allentown-

Purpose of both the PCA and

American extensions in addition

to service the intermediate steps.

would be to supply one-carrie

Aftertals Macaning and double on

extions of United Air Lanes, East-

ern Air Lines, Hylon Flying Ser-

service from Enchanter to Wash-

Invited to Air Talks The mayounest's paying to an operational aviation conference in this country in November were extended to

Afghanlatan Penell Penell Cube Conchusion skie Dominican Repahilis Econdor Reyst Repairedor Dalon of South garlies Ornal Retinia Africa Union of Speict Secta 244 Re-Dragony Venezala Hall Handston Yagoslavia Cantah Minteler in Washington That Minister in

the U. S. and Canada, Canada likely would person Colonial to operate the route temperanty until

agreement will be revised. House Group Issues Report on Air Tout genuional action on four phases

of avoation legislatures, rays the report by a House Subcorregittee vortigating trap over U. S. Air-The report was approved by resenters of the Avistion Subcomrattee of the House Interstate and A Regulation ... Laguage from proofed. ing for regulation of contract carriers by air "most be enacted immediatels," the speed end It perticipate in coordination of ininternational weather forecasts and Low Freight Tariff Proposed by AA

American Airlines has filed with the Civil Aeronautics Board s whethle of frught tariffs which yet received CAB approval, it seems hisely that the Board will congue in any move to lower the rate structure h Turiff Schedule - American's

schedule of tariffs is based on a radiany fronts experience. The objected of less than 25 yeards seed for distances shorter than 456 the Air Express Division of the A special tanff for agricultural convendation in \$,000-pound quan-

presugnately 25 cents per 146the end of the war when the

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MEIGHT CARRIC LINK, TYPE



the United States and Carada (left) and Azzurant Chief Pilot Avery Black at the controls ATIATION NEWS . September 25, 1944

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oblime of the Geliage is not a became of EumenPy recipioning to represent by Gent Brooker if a service of the s

CAB SCHEDULE

Describes for one applications and therefore for one applications and therefore in the resident personaling. These for puckage of rabilities in Books

retary of five ATA cornerificus, Daiand has become cutablehed in the air transport industry at a comof those coverages are oweng the

NEWS VIEWS

Designed Rooing Pinces - Dallos sured the ATA beveryer, from Inc. at Bristol, Po. where he was done work an parts. Prior to his

Co. feerer Detroit margineturer of His avestion carrer started officialnames in 1927, although it was not until two years later that he was

4. BULLOQZERS COME FIRST By Width G Rowma, N A Beneral Headed W. Endouders, Edward J. Christ, and Andre N. Corner, Everydeen store rendented from Detroop Ungererate AVIATION NEWS . September 26, 1844

## HIST PUBLISHED BY McGRAW-HILL



For those who findre to become accominged with the Republican candidate for Passaling and what he stands for abit in a more

Nonine withou the searl worshipful embeliatements to which Manore Crass, is the N. Y Herold-Tribuse 'The Denser story is here shiftedly are organize, and to make

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oandidate. SENO THES COUPON

C Welker's Dower, An American of This Control, \$2.50 **FYAMINATION** Address

speeches and statements, \$2,50.

Clir and State

at the Could of Realism WARRANGSTONEY / NEW YORK

## Memo to Mr. Hull

The U.S. Government has leveled more than 16 maintains to send deleptes here to an informational avoid conference in November. Even though much of the action taken will be perliminary and testicity, the transversed importance of aviation one the future commerce and aftery of the world will make the meeting one of major public interest.

The Kitte Boustment should recognize that in-

terest and east every effort to see that the press of the words in informed causty and adequately on the pragram of the sename it is a foregrant complaint, in serior quiette that the country his complaint is seen quiette that the country his little programs of the country has been applied to the Hadron government officials deeply that charge emphasically. But a far the public has not been given sufficient information on the subject for it to reach its own combinates. Repressor of the and exprises the green has held in control when only the presentate of the Newsbern meetings.

## For Safer Flying

As a LOUITLANE without a just wheel haided near Washington the other day, sperks from the rudder post flew on deped fairer and stated a fire which destroyed the eraft in a few mirutes. A fire extinguisher and a fire truck failed to control

The action haplached the fact that degree in makes represented by thousands of father covered haplaplaces which have been dying the parameters being haplaplaces which have been dying the parameters being the parameters of the coverage with a price within contract a fractional contract and the parameters of the parame

comable engineers and a laboratory to the prob-

lem. The prospects are hopeful. The results will be of greatest importance to the private flyer of temorrow. Measwhile, why hasn't industry already developed a sainstearry product?

## Harmful Publicity

R Grant wind amegant in the future must live down more injudiciously prepared publicity blarts than probably any other type of availing craft. The latest example, unfortunately, appears to be traced to Army officers instead of influstry.

Two helicopters were flown from Bridgeport, Corn . to Sevenour, Ind . recently. There was nothand startling in the flight. Such machines have been flying cross-country without farfare or fuse for months. There was nothing unusual about the craft. They were production models of a type being replaced by improved versions. in sensetional phrases comperable with an annecessarity of a B-56 raid over Japan. The flight "made equation history." The nilets "set new cross they encountered strong headwinds and emand the Allesberry Mountains in Pennsylvania," B was "the longest formation flight ever made by recarr type planes in this country." They were flown to "the nation's first military believates school." The facts are those

The fight required for days. Twelve tops were made. Flying the was 14 th Barrs. Average crusing air speed was 60 mph. Average crusing ground speed was 60 mph. Average crusing ground speed was 60 mph. Average saltoda was 50 feet. The earth flow a fully overage 4 th a blosser. Journel of the salt of the sal

mour is purely experimental, to work out some bugs in the trusting program.

Aviation can do without distorted assessments need like this in the strowing-up period from

Source H. Woon

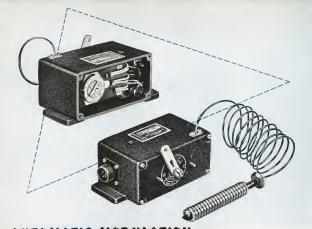


A IRCRAFT operating costs, low enough to persist comparison with surface costs in some fields, are now within sight chanks to the 72-ton Martin Mars. World? most efficient surplane, the Mars already shows an operating cost of less than 13 cents per contrible, according to Glenn L. Martin, president and founder of the company which bears his man:

Moreover, Mr. Martin declares, the twenty new 82-ton Mars transports now being built for the U. S. Navy will have an operating cost of 10 cents per ton-mile at 80% cargo capacity; while a ton-mile operating cost of 7 cents is in sight. For example, in the shipmens of deepforcess foods, Mars transports, dispensing with mechanical refrigeration by clinibing to 25,000 feet and sub-sero temperatures, will operate at anxantagly low tearmile coats at speeds upwards of 200 miles per bour. And this is only one of ansay new fields the Mars has opened to avitation. To reach the world of transcrow, hip by

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